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PTO/SB/01 (10-00)

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|  |                          |                            |
|--|--------------------------|----------------------------|
| <b>DECLARATION FOR UTILITY OR<br/>DESIGN<br/>PATENT APPLICATION<br/>(37 CFR 1.63)</b><br><br><input type="checkbox"/> Declaration Submitted With Initial Filing <b>OR</b> <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required) | Attorney Docket Number   | PU030258                   |
|  | First Named Inventor     | Alexandros Tourapis et al. |
|  | <b>COMPLETE IF KNOWN</b> |                            |
|  | Application Number       | /                          |
|  | Filing Date              |                            |
|  | Group Art Unit           |                            |
|  | Examiner Name            |                            |

**As a below named inventor, I hereby declare that:**

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHOD AND APPARATUS FOR ENCODING HYBRID INTRA-INTER CODED BLOCKS**

the specification of which (Title of the Invention)

☐ is attached hereto

OR

☐ was filed on (MM/DD/YYYY)  as United States Application Number or PCT International

Application Number  and was amended on (MM/DD/YYYY)  (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application Number(s) | Country | Foreign Filing Date (MM/DD/YYYY) | Country | Priority Not Claimed     | Certified Copy Attached? |                          |
|-------------------------------------|---------|----------------------------------|---------|--------------------------|--------------------------|--------------------------|
|                                     |         |                                  |         |                          | YES                      | NO                       |
|                                     |         |                                  |         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                     |         |                                  |         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                     |         |                                  |         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                     |         |                                  |         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

| Application Number(s) | Filing Date (MM/DD/YYYY) | <input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto. |
|-----------------------|--------------------------|--|
| US 60/497,816         | August 26, 2003          |  |

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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## DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☐ Customer Number or Bar Code Label 24498 OR ☒ Correspondence address below

|                |                        |                  |  |
|----------------|------------------------|------------------|--|
| <b>Name</b>    | JOSEPH S. TRIPOLI      |                  |  |
| <b>Address</b> | THOMSON LICENSING INC. |                  |  |
| <b>Address</b> | PO Box 5312            |                  |  |
| <b>City</b>    | <b>State</b>           | <b>ZIP</b>       |  |
| PRINCETON      | NJ                     | 08543-5312       |  |
| <b>Country</b> | <b>Telephone</b>       | <b>Fax</b>       |  |
| USA            | 609-734-6807           | (609) 734 - 6888 |  |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**NAME OF SOLE OR FIRST INVENTOR:**  ☐ A petition has been filed for this unsigned inventor

|                             |                               |
|-----------------------------|-------------------------------|
| <b>Given Name</b>           | <b>Family Name or Surname</b> |
| ALEXANDROS                  | TOURAPIS                      |
| <b>Inventor's Signature</b> |                               |
| <b>Date</b> 8/12/2004       |                               |
| <b>Residence: City</b>      | <b>State</b>                  |
| West Windsor                | New Jersey                    |
| <b>Country</b>              | <b>Citizenship</b>            |
| US                          | GR                            |

|                        |              |            |                |
|------------------------|--------------|------------|----------------|
| <b>Mailing Address</b> |              |            |                |
| 20212 Heather Drive    |              |            |                |
| <b>City</b>            | <b>State</b> | <b>ZIP</b> | <b>Country</b> |
| West Windsor           | New Jersey   | 08550      | US             |

**NAME OF SECOND INVENTOR:**  ☐ A petition has been filed for this unsigned inventor

|                             |                               |
|-----------------------------|-------------------------------|
| <b>Given Name</b>           | <b>Family Name or Surname</b> |
| JILL MACDONALD              | BOYCE                         |
| <b>Inventor's Signature</b> |                               |
| <b>Date</b> 8/13/04         |                               |
| <b>Residence: City</b>      | <b>State</b>                  |
| Manalapan                   | New Jersey                    |
| <b>Country</b>              | <b>Citizenship</b>            |
| US                          | US                            |

|                        |              |            |                |
|------------------------|--------------|------------|----------------|
| <b>Mailing Address</b> |              |            |                |
| 3 Brandywine Court     |              |            |                |
| <b>City</b>            | <b>State</b> | <b>ZIP</b> | <b>Country</b> |
| Manalapan              | New Jersey   | 07726      | US             |

☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

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**DECLARATION****ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 2 of 2**

|  |                     |   |                   |
|--|---------------------|---|-------------------|
| Name of Additional Joint Inventor, if any: |                     | <input type="checkbox"/> A petition has been filed for this unsigned inventor |                   |
| Given Name (first and middle (if any))     |                     | Family Name or Surname  |                   |
| PENG                                       |                     | YIN   |                   |
| Inventor's Signature <i>Peng Yi</i>        |                     | Date <i>08/12/2004</i>  |                   |
| Residence: City<br>Plainsboro              | State<br>New Jersey | Country<br>US   | Citizenship<br>CN |
| Mailing Address                            |                     |   |                   |
| Mailing Address<br>5508 Hunters Glen Drive |                     |   |                   |
| City<br>Plainsboro                         | State<br>New Jersey | ZIP<br>08536  | Country<br>US     |
| Name of Additional Joint Inventor, if any: |                     | <input type="checkbox"/> A petition has been filed for this unsigned inventor |                   |
| Given Name (first and middle (if any))     |                     | Family Name or Surname  |                   |
|  |                     |   |                   |
| Inventor's Signature                       |                     | Date  |                   |
| Residence: City                            | State               | Country   | Citizenship       |
| Mailing Address                            |                     |   |                   |
| Mailing Address                            |                     |   |                   |
| City                                       | State               | Zip   | Country           |
| Name of Additional Joint Inventor, if any: |                     | <input type="checkbox"/> A petition has been filed for this unsigned inventor |                   |
| Given Name (first and middle (if any))     |                     | Family Name or Surname  |                   |
|  |                     |   |                   |
| Inventor's Signature                       |                     | Date  |                   |
| Residence: City                            | State               | Country   | Citizenship       |
| Mailing Address                            |                     |   |                   |
| Mailing Address                            |                     |   |                   |
| City                                       | State               | Zip   | Country           |

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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☐ Declaration Submitted With Initial Filing      OR      ☐ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

|                               |                            |
|-------------------------------|----------------------------|
| <b>Attorney Docket Number</b> | PU030258                   |
| <b>First Named Inventor</b>   | Alexandros Tourapis et al. |
| <b>COMPLETE IF KNOWN</b>      |                            |
| <b>Application Number</b>     | /                          |
| <b>Filing Date</b>            |                            |
| <b>Group Art Unit</b>         |                            |
| <b>Examiner Name</b>          |                            |

**As a below named inventor, I hereby declare that:**

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHOD AND APPARATUS FOR ENCODING HYBRID INTRA-INTER CODED BLOCKS**

the specification of which (Title of the Invention)

☐ is attached hereto

OR

☐ was filed on (MM/DD/YYYY) [ ] as United States Application Number or PCT International

Application Number [ ] and was amended on (MM/DD/YYYY) [ ] (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application Number(s) | Country | Foreign Filing Date (MM/DD/YYYY) | Country | Priority Not Claimed     | Certified Copy Attached? |                          |
|-------------------------------------|---------|----------------------------------|---------|--------------------------|--------------------------|--------------------------|
|                                     |         |                                  |         |                          | YES                      | NO                       |
|                                     |         |                                  |         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                     |         |                                  |         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                     |         |                                  |         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                     |         |                                  |         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

| Application Number(s) | Filing Date (MM/DD/YYYY) | <input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto. |
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| US 60/497,816         | August 26, 2003          |  |

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**DECLARATION — Utility or Design Patent Application**

|   |                        |   |              |         |  |
|---|------------------------|---|--------------|---------|--|
| Direct all correspondence to:   |                        | <input type="checkbox"/> Customer Number<br>or Bar Code Label                 | 24498        | OR      | <input checked="" type="checkbox"/> Correspondence address below |
| Name  | JOSEPH S. TRIPOLI      |   |              |         |  |
| Address   | THOMSON LICENSING INC. |   |              |         |  |
| Address   | PO Box 5312            |   |              |         |  |
| City  | PRINCETON              | State   | NJ           | ZIP     | 08543-5312   |
| Country   | USA                    | Telephone   | 609-734-6807 | Fax     | (609) 734 - 6888   |
| I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. |                        |   |              |         |  |
| NAME OF SOLE OR FIRST INVENTOR:   |                        | <input type="checkbox"/> A petition has been filed for this unsigned inventor |              |         |  |
| Given Name  | ALEXANDROS             | Family Name TOURAPIS<br>or Surname  |              |         |  |
| Inventor's Signature  |                        |   |              | Date    | 8/12/2004  |
| Residence: City   | West Windsor           | State   | New Jersey   | Country | US   |
| Citizenship   | GR                     |   |              |         |  |
| Mailing Address   |                        |   |              |         |  |
| Mailing Address   | 20212 Heather Drive    |   |              |         |  |
| City  | West Windsor           | State   | New Jersey   | ZIP     | 08550  |
| Country   | US                     |   |              |         |  |
| NAME OF SECOND INVENTOR:  |                        | <input type="checkbox"/> A petition has been filed for this unsigned inventor |              |         |  |
| Given Name  | JILL MACDONALD         | Family Name BOYCE<br>or Surname   |              |         |  |
| Inventor's Signature  |                        |   |              | Date    | 8/13/04  |
| Residence: City   | Manalapan              | State   | New Jersey   | Country | US   |
| Citizenship   | US                     |   |              |         |  |
| Mailing Address   |                        |   |              |         |  |
| Mailing Address   | 3 Brandywine Court     |   |              |         |  |
| City  | Manalapan              | State   | New Jersey   | ZIP     | 07726  |
| Country   | US                     |   |              |         |  |
| <input checked="" type="checkbox"/> Additional Inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.  |                        |   |              |         |  |

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**DECLARATION****ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 2 of 2**

|  |                     |   |                   |
|--|---------------------|---|-------------------|
| Name of Additional Joint Inventor, if any: |                     | <input type="checkbox"/> A petition has been filed for this unsigned inventor |                   |
| Given Name (first and middle (if any))     |                     | Family Name or Surname  |                   |
| PENG                                       |                     | YIN   |                   |
| Inventor's Signature <i>Peng J</i>         |                     | Date <i>08/12/2004</i>  |                   |
| Residence: City<br>Plainsboro              | State<br>New Jersey | Country<br>US   | Citizenship<br>CN |
| Mailing Address                            |                     |   |                   |
| Mailing Address 5508 Hunters Glen Drive    |                     |   |                   |
| City<br>Plainsboro                         | State<br>New Jersey | ZIP<br>08536  | Country<br>US     |
| Name of Additional Joint Inventor, if any: |                     | <input type="checkbox"/> A petition has been filed for this unsigned inventor |                   |
| Given Name (first and middle (if any))     |                     | Family Name or Surname  |                   |
|  |                     |   |                   |
| Inventor's Signature                       |                     | Date  |                   |
| Residence: City                            | State               | Country   | Citizenship       |
| Mailing Address                            |                     |   |                   |
| Mailing Address                            |                     |   |                   |
| City                                       | State               | Zip   | Country           |
| Name of Additional Joint Inventor, if any: |                     | <input type="checkbox"/> A petition has been filed for this unsigned inventor |                   |
| Given Name (first and middle (if any))     |                     | Family Name or Surname  |                   |
|  |                     |   |                   |
| Inventor's Signature                       |                     | Date  |                   |
| Residence: City                            | State               | Country   | Citizenship       |
| Mailing Address                            |                     |   |                   |
| Mailing Address                            |                     |   |                   |
| City                                       | State               | Zip   | Country           |

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PTO/SB/81 (11-04)

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**POWER OF ATTORNEY  
and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

|                               |   |
|-------------------------------|---|
| <b>Application Number</b>     |   |
| <b>Filing Date</b>            |   |
| <b>First Named Inventor</b>   | Alexandros Michael Tourapis, Jill MacDonald Boyce, Peng Yin       |
| <b>Title</b>                  | METHOD AND APPARATUS FOR ENCODING HYBRID INTRA-INTER CODED BLOCKS |
| <b>Art Unit</b>               |   |
| <b>Examiner Name</b>          |   |
| <b>Attorney Docket Number</b> | PU030258  |

I hereby appoint:

☒ Practitioners at Customer Number

OR

☐ Practitioner(s) named below:

Customer Number 24498

| Name | Registration Number |
|------|---------------------|
|      |                     |
|      |                     |
|      |                     |
|      |                     |

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number:

OR

☐ The address associated with Customer Number:

OR

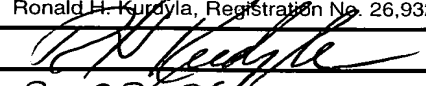
|  |                                      |       |              |     |            |
|--|--------------------------------------|-------|--------------|-----|------------|
| <input type="checkbox"/> Firm or Individual Name | Joseph S. Tripoli, Patent Operations |       |              |     |            |
| Address  |                                      |       |              |     |            |
| Address  | P. O. BOX 5312                       |       |              |     |            |
| City   | PRINCETON                            | State | NJ           | ZIP | 08543-5312 |
| Country  | USA                                  |       |              |     |            |
| Telephone  | 609-734-6818                         | Fax   | 609-734-6888 |     |            |

I am the:

☐ Applicant/Inventor.☐ Assignee of record of the entire interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

## SIGNATURE of Applicant or Assignee of Record

|           |   |           |              |
|-----------|---|-----------|--------------|
| Name      | Ronald H. Kurdyla, Registration No. 26,932  |           |              |
| Signature |  |           |              |
| Date      | 2-22-06   | Telephone | 609-734-6818 |

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 3 forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

EXPRESS EL96213446645

**POWER OF ATTORNEY  
THOMSON LICENSING**

We,

**THOMSON LICENSING  
46, Quai A. Le Gallo  
F-92100 Boulogne-Billancourt  
France**

do hereby grant

**Joseph S. Tripoli  
Senior Vice President  
Thomson Licensing Inc.  
Two Independence Way  
Princeton, New Jersey 08540**

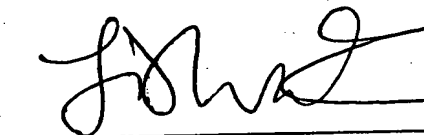
a revocable, non-exclusive and delegable power of attorney to act for us (including the signing of requisite documents) in proceedings concerning patents and applications for patents, including international and other multi-country patents and applications for patents, in our name in the Patent Offices in all countries worldwide from July 1, 2005

DATED this 7 day of July, in the year 2005.

Signature:

Typed Name As Signed:

Title:



**Julian Waldron  
President**



**POWER OF ATTORNEY  
THOMSON LICENSING**

THOMSON LICENSING  
46, Quai A. Le Gallo  
F-92100 Boulogne-Billancourt  
France

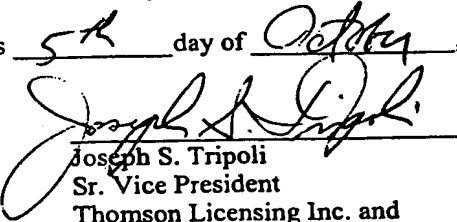
does hereby grant

Joseph J. Laks - Vice President  
Harvey D. Fried - Sr. Patent Counsel/Manager  
Ronald H. Kurdyla - Sr. Patent Counsel/Manager  
Robert D. Shedd - Sr. Patent Counsel/Manager  
Robert B. Levy - Sr. Patent Counsel/Manager  
Frank Y. Liao - Sr. Patent Counsel/Manager  
Reitseng Lin - Sr. Patent Counsel  
Christine Johnson - Sr. Patent Counsel  
Guy H. Eriksen - Sr. Patent Counsel  
Catherine A. Ferguson - Sr. Patent Counsel  
Joseph J. Kolodka - Sr. Patent Counsel  
Kuniyuki Akiyama - Sr. Patent Counsel  
Paul P. Kiel - Sr. Patent Counsel  
Jeffrey M. Navon - Sr. Patent Counsel  
Joel M. Fogelson - Sr. Patent Counsel  
Joseph J. Opalach - Sr. Patent Counsel  
Sammy S. Henig - Sr. Patent Counsel  
Patricia A. Verlangieri - Sr. Patent Counsel  
Jorge Tony Villabon - Patent Counsel  
Vincent E. Duffy - Patent Counsel  
Richard LaPeruta - Patent Counsel  
Francis A. Davenport - Sr. Patent Agent  
William A. Lagoni - Patent Agent  
Brian J. Cromarty - Patent Agent  
Ronald Kolczynski - Member Patent Staff  
Michael A. Pugel - Patent Agent  
*Thomson Licensing Inc.  
Two Independence Way  
Princeton, New Jersey 08540*

a revocable, non-exclusive and delegable power of attorney to act for us (including the signing of requisite documents) in proceedings concerning patents and applications for patents, including international and other multi-country patents and applications for patents, in our name in the Patent Offices in all countries worldwide from July 1, 2005.

DATED this 5<sup>th</sup> day of October, 2005.

SIGNED

  
Joseph S. Tripoli  
Sr. Vice President  
Thomson Licensing Inc. and  
Attorney In Fact for  
THOMSON LICENSING

WITNESS

David Fournatto